

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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MB  
3/9/99

In re PATENT APPLICATION of  
Inventor(s): Mills

Group Art Unit: 1754

Appln. No.: 08/822,170

Examiner: Langel

Filing Date: 3/21/97

Title: LOWER-ENERGY HYDROGEN METHODS AND STRUCTURES

\* \* \* \*

February 8, 1999

AMENDMENT

Hon. Asst. Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

Sir:

In response to the Office Action dated October 21, 1998, amendment of the subject application is respectfully requested.

IN THE CLAIMS:

~~Please cancel~~ claim 104 without prejudice.

~~Please amend~~ claims 52, 54-56, 69-73, 76, 78, 84, 85, 92, 94 and 107 as follows:

52. (Amended) A cell for extracting energy from hydrogen atoms comprising:

a reaction vessel containing

gaseous hydrogen atoms; and

a gaseous catalyst having a net enthalpy of reaction of about  $27^* (p/2)$  eV,

02/10/1999 WMITCHEL 00 where  $p$  is an integer greater than 1[,

01 FC:203  
02 FC:202  
03 FC:215

~~whereby~~ said hydrogen atoms react with said catalyst in said reaction vessel

at a pressure less than atmospheric, thereby releasing energy and producing